AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1-32. (canceled)

33. (currently amended)   A data processing system comprising:

a unit for producing data elements;

data processing means for processing data elements;

a first database with at least part of its records containing the name information of a subscriber of a telecommunications system and the subscribers address in the telecommunications system; and

interface means containing output means for outputting information to the user and input means for receiving as input information from the user;

said output means are arranged to output to the user at least a part of the content of a data element in connection with at least one selection option for selecting the name information of a subscriber for attaching person-based metadata that identifies the subscriber to the data element;

said input means are arranged to receive from the user as input from said ~~connected output~~ selection of a subscriber's name information; wherein

said data processing means are, in response to the name selection by the user, arranged to fetch the subscriber address in the telecommunications system related to the selected name information from the first database; and to attach to the data element person-based metadata that contains the fetched subscriber address in the telecommunications system, and

the system also comprises a database system for storing data elements, the database system comprising a server and a second database, said server being arranged to receive a fetch request for a data element from a user terminal accessing the server; and to check the access right to the data element by comparing the subscriber address in the telecommunications system attached to the fetch request with the person-based metadata of the data element.

34. (currently amended) [[A]] <u>The</u> data processing system as claimed in claim 33, wherein said output means are arranged to output a selection view that contains at least a part of the name information in the first database.

35. (currently amended) [[A]] The data processing system as claimed in claim 34, wherein said output means are also arranged to provide the user with the option of attaching to the data element an additional definition controlling its access right;

said input means are arranged to receive as input from the user said additional definition;

said data processing means are arranged to attach said additional definition to the data element.

36. (currently amended) [[A]] The data processing system as claimed in claim 34, wherein said output means are also arranged to provide the user with the option of attaching to the data element an additional definition controlling a function to be implemented during its storage;

said input means are arranged to receive as input from the user said additional definition;

said data processing means are arranged to attach said additional definition to the data element.

37. (currently amended) [[A]] The data processing system as claimed in claim 36, wherein the server is arranged to receive said additional definition; and, in response to the

received additional definition, to execute during storage the function defined by the additional definition.

38. (currently amended) [[A]] The data processing system as claimed in claim 37, wherein said function includes transmitting the data element to the subscriber identified by the address in the telecommunications system comprised in the person-based metadata.

39. (currently amended) [[A]] The data processing system as claimed in claim 33, wherein the system also comprises a clock unit for defining the generation time of the data element, the clock unit being also arranged to

attach to the data element metadata containing a data series identifier;

measure a time interval between two data elements;

compare the time interval with a predefined reference value;

attach, in response to undershooting the reference value, to the later data element the same identifier as to the earlier data element; and

attach, in response to exceeding the reference value, to the later data element a different identifier than to the earlier data element.

40. (currently amended) [[A]] The data processing system as claimed in claim 33, wherein the system also comprises a calendar unit, the calendar unit being also arranged to:

detect the generation time of the data element;

fetch a calendar event corresponding to the generation time;

attach to the data element metadata containing said calendar event.

41. (currently amended) [[A]] The data processing system as claimed in claim 33, wherein the system also comprises a positioning unit, the positioning unit being also arranged to:

generate location information on a system element containing the positioning unit at the generation time of the data element;

attach to the data element metadata containing said location information.

42. (currently amended)   [[A]] The data processing system as claimed in claim 33, wherein said data elements contain image data.

43. (previously presented) A mobile station comprising:

a unit for producing data elements;

data processing means for processing data elements;

interface means containing output means for outputting information to the user and input means for receiving as input information from the user;

a phone list with at least part of its records containing name information of subscribers of a mobile communications system, a record of name information of a subscriber comprising a name part including a subscribers name in a form input by the user of the mobile station, and an address part including at least the subscribers address in the mobile communications system; wherein

said output means are arranged to output to the user at least a part of the content of a data element in connection with a view to name part of the phone list for selecting the subscriber's name in a form input by the user of the mobile station, for attaching person-based metadata that identifies the subscriber to the data element;

said input means are arranged to receive as input from the user a selected subscribers name in a form input by the user of the mobile station;

said data processing means are, in response to the selection of the subscriber's name, arranged to fetch the subscriber address in the mobile communications system related to the selected subscriber's name from the first database, and to attach to the data element person-based metadata that contains the fetched subscriber address at least in the mobile communications system.

44. (currently amended) A method for data processing in a system, in which a data element is generated, and records are maintained in a first database, and at least part of the records of the first database comprise name information of a subscriber of a telecommunications system and the subscriber's address in the telecommunications system, comprising:

outputting as output to the user with at least a part of the content of the data element in connection with the option of selecting at least one subscribers name information for attaching person-based metadata that identifies the subscriber to the data element;

receiving from the user as input from said ~~connected~~ output said subscriber's name information selection;

fetching, in response to the users selection, the address of the subscriber in the telecommunications system related to the selected name information from the first database;

attaching to the data element person-based metadata that contains the fetched subscriber address in the telecommunications system;

storing data elements into a database system connected to the system, the database system comprising a server and database; and

receiving a data element fetch request from a computer connected to the server; and checking the access right to the data element by comparing the subscriber address in the telecommunications system attached to the fetch request with the person-based metadata of the data element.

45. (currently amended) [[A]] The method as claimed in claim 44, further comprising providing a selection view containing at least a part of the name information in the first database.

46. (currently amended) [[A]] The method as claimed in claim 45, further comprising providing the user with the option of attaching to the data element an additional definition controlling its access right;

receiving as input from the user said additional definition;

attaching said additional definition to the data element.

~~41~~ 47. (currently amended) [[A]] The method as claimed in claim 45, further comprising providing the user with the option of attaching to the data element an additional definition controlling a function executed during the storage of the data element;

receiving as input from the user said additional definition;

attaching said additional definition to the data element.

48. (currently amended) [[A]] The method as claimed in claim 47, further comprising receiving to the server said additional definition; and, in response to the received additional definition, executing said function during storage.

49. ((currently amended) [[A]] The method as claimed in claim 48, further comprising executing said function by transmitting the data element to the subscriber identified by the

subscriber address in the telecommunications system contained in the person-based metadata.

50. (currently amended) [[A]] The method as claimed in claim 46, further comprising:

defining the generation time of the data element;

attaching to the data element metadata containing an identifier that identifies a data series to which the data element belongs;

measuring a time interval between two data elements;

comparing the time interval with a predefined reference value;

attaching, in response to undershooting the reference value, to the later data element the same identifier as to the earlier data element; and

attaching, in response to exceeding the reference value, to the later data element a different identifier than to the earlier data element.

51. (currently amended) [[A]] The method as claimed in claim 46, further comprising:

detecting the generation time of the data element;

fetching a calendar event corresponding to the generation time;

attaching to the data element metadata containing said calendar event.

52. (currently amended) [[A]] The method as claimed claim 46, further comprising:

generating the location information of the system element that generated the data element at the generation time of the data element:

attaching to the data element metadata containing said location information.

53. (previously presented) A software product of a computer, further comprising:

executing commands makes the computer to implement the steps of:

receiving a data element and person-based contentual metadata attached to the data element, the contentual metadata containing the address of at least one subscriber in a specific telecommunications system;

checking whether an additional definition controlling
the access right of the data element is attached to the received
data element;

executing said control in response to the fact that an
additional definition is attached.

54. (currently amended)   A network element of a
telecommunications system, the network element comprising:

first interface means for receiving data elements;

user interface means for outputting information to the
user and receiving as input information from the user;

second interface means containing output means for
outputting information to the user and input means for receiving
input information from the user; wherein

the network element is connected to a first database
for access to a phone list with at least part of its records
containing name information of subscribers of a mobile
communications system, a record of name information of a
subscriber comprising a name part including a subscriber's name
in a form input by the user of the network element, and an
address part including a subscribers address in the mobile
communications system;

said output means are arranged to output to the user as
output at least a part of the content of a data element in

connection with a view to name part of the phone list for selecting the subscriber's name in a form input by the user of the network element, for attaching person-based metadata that identifies the subscriber to the data element;

said input means are arranged to receive from the user as input from said ~~connected~~ output a selected subscriber's name in the form input by the user of the network element;

said data processing means are, in response to the selection by the user, arranged to fetch the subscribers address in the mobile communications system related to the selected name information from the first database; and to attach to the data element person-based metadata that contains the fetched subscriber address in the mobile communications system.

55. (previously presented) A database system of a telecommunications system, the database system comprising a database and a server, wherein the server comprises:

first interface means for receiving a data element and person-based contentual metadata attached to the data element, the contentual metadata containing the address of at least one subscriber in a specific telecommunications system; and

data processing means arranged to check whether an additional definition controlling the access right of the data element is attached to the received data element;

execute said control in response to the fact that an additional definition is attached.

56. (canceled)

57. (currently amended) [[A]] The database system as claimed in claim 55, wherein the first interface means are arranged to

receive a first data element;

receive a second data element; and

the data processing means are arranged to

read first metadata attached to the first data element and second metadata attached to the second data element;

check whether the first and second metadata simultaneously meet a specific combination rule;

combine, in response to the first and second metadata simultaneously meeting the specific combination rule, the first and second data element into a data set to be processed as one entity.

58. (currently amended) [[A]] The database system as claimed in claim 51, wherein the combination rule of the data processing means is a functionality stored in the data processing

means, and the data processing means are arranged to check the combination rule in response to receiving data elements.

59. (currently amended) [[A]] The database system as claimed in claim 57, wherein said interface means are arranged to receive the combination rule from the user.

60. (currently amended) A computer program product encoding a computer process of

instructions for executing a computer process for data processing in a system, in which a data element is generated, and records are maintained in a first database, and at least part of the records of the first database comprise name information of a subscriber of a telecommunications system and the subscriber's address in the telecommunications system, the process comprising:

outputting to the user as output at least a part of the content of the data element in connection with the option of selecting at least one subscriber's name information for attaching person-based metadata that identifies the subscriber to the data element;

receiving from the user as input from said ~~connected~~ output said subscriber's name information selection;

fetching, in response to the users selection, the address of the subscriber in the telecommunications system related to the selected name information from the first database;

attaching to the data element person-based metadata that contains the fetched subscriber address in the telecommunications system;

storing data elements into a database system connected to the system, the database system comprising a server and database; and

receiving a data element fetch request from a computer connected to the server; and checking the access right to the data element by comparing the subscriber address in the telecommunications system attached to the fetch request with the person-based metadata of the data element.